Study Guide

Microscopic Explorations

Grade 5

Things to Know

* Microscope
  + Field of View/ Resolution/ Magnification
  + Power of magnification
  + Parts that refract light
  + Convex and concave lenses
* Cells
  + Animal Cell
    - Parts and what they do
  + Plant Cell
    - Parts and what they do
  + Eukaryotic and Prokaryotic
* Body Tissues
  + Systems and how they are used
* Photosynthesis
  + How does it happen
  + What do you need

Short Answer

* What is the benefit of viewing a specimen with a large field of view versus a high resolution?
* Explain the similarities and differences of a plant and animal cell.
* Explain the process of photosynthesis.
* If you were going to explain a microscope to a 2nd Grader. What would you consider the three most important pieces and why?

Be Ready for

* Multiple choice
* Matching
* Sorting
* Fill in the blank
* Short answer